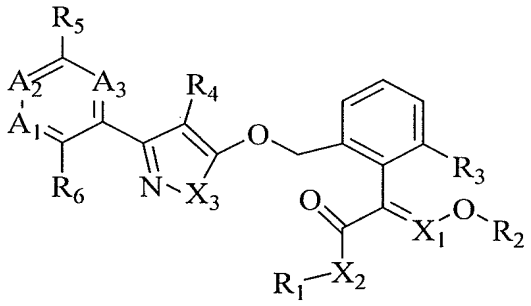
CLAIMES

1. A substituted azole compounds of formula (I):



(I);

wherein:X_1 is selected from CH or N; X_2 is selected from O, S or NR_7; X_3 is selected from O, S or NR_8;

A_1 is selected from N or CR_9; A_2 is selected from N or CR_{10}; A_3 is selected from N or CR_{11}; and if selected from N, only one of A_1, A_2 or A_3 is selected from N;

R_1, R_2 may be the same or different, selected from H, C_1-C_{12}alkyl or C_1-C_{12}haloalkyl;

R_3 is selected from H, halo, C_1-C_{12}alkyl, C_1-C_{12}haloalkyl or C_1-C_{12}alkoxy;

R_7 is selected from H or C_1-C_{12}alkyl;

R_8 is selected from H, C_1-C_{12}alkyl; C_1-C_{12}haloalkyl; C_1-C_{12}alkoxycarbonyl or C_1-C_{12}alkoxycarbonyl C_1-C_{12}alkyl;

R_4, R_5, R_6, R_9, R_{10} and R_{11} may be the same or different, selected from H, halo, NO_2, CN, $CONH_2$, CH_2CONH_2, CH_2CN, C_1-C_{12}alkyl, C_1-C_{12}haloalkyl, C_1-C_{12}alkoxy, C_1-C_{12}haloalkoxy, C_1-C_{12}alkylthio, C_1-C_{12}alkylsulfonyl, C_1-C_{12}alkylcarbonyl, C_1-C_{12}alkoxyC_1-C_{12}alkyl, C_1-C_{12}alkoxycarbonyl, C_1-C_{12}alkoxycarbonylC_1-C_{12}alkyl, C_1-C_{12}haloalkoxyC_1-C_{12}alkyl, groups may be substituted by any other groups: aminoC_1-C_{12}alkyl,aryl, heteroaryl; aroxyl, arylC_1-C_{12}alkyl, arylC_1-C_{12}alkoxy, heteroarylC_1-C_{12}alkyl or heteroarylC_1-C_{12}alkoxy;

and stereoisomer.

2. The substituted azole compounds according to the claim 1, characterized in that wherein general formula (I):

X_1 is selected from CH or N; X_2 is selected from O, S or NR_7; X_3 is selected from O, S or NR_8;

A_1 is selected from N or CR_9, A_2 is selected from N or CR_{10}, A_3 is selected from N or CR_{11}, and if selected from N, only one of A_1, A_2 or A_3 is selected from N;

R_1, R_2 may be the same or different, selected from H, C_1-C_6alkyl or C_1-C_6haloalkyl;

R_3 is selected from H, halo, C_1-C_6alkyl, C_1-C_6haloalkyl or C_1-C_6alkoxy;

R_7 is selected from H or C_1-C_6alkyl;

R_8 is selected from H, C_1-C_6alkyl; C_1-C_6haloalkyl; C_1-C_6alkoxycarbonyl or C_1-C_6alkoxycarbonylC_1-C_6alkyl;

R_4, R_5, R_6, R_9, R_{10} and R_{11} may be the same or different, selected from H, halo,

NO_2, CN, $CONH_2$, CH_2CONH_2, CH_2CN, C_1-C_6alkyl, C_1-C_6haloalkyl, C_1-C_6alkoxy, C_1-C_6haloalkoxy, C_1-C_6alkylthio, C_1-C_6alkylsulfonyl, C_1-C_6alkylcarbonyl, C_1-C_6alkoxyC_1-C_6alkyl, C_1-C_6alkoxycarbonyl, C_1-C_6alkoxycarbonylC_1-C_6alkyl, C_1-C_6haloalkoxyC_1-C_6alkyl, groups may be substituted by any other groups: aminoC_1-C_6alkyl,aryl, heteroaryl; aroxyl, arylC_1-C_6alkyl, arylC_1-C_6alkoxy, heteroarylC_1-C_6alkyl or heteroarylC_1-C_6alkoxy.

3. The substituted azole compounds according to the claim 2, characterized in that wherein general formula (I):

X_1 is selected from CH or N; X_2 is selected from O or NH; X_3 is selected from O, S or NR_8;

A_1 is selected from N or CR_9, A_2 is selected from N or CR_{10}, A_3 is selected from N or CR_{11}, and if selected from N, only one of A_1, A_2 or A_3 is selected from N;

R_1, R_2 is CH_3;

R_3 is selected from H or CH_3;

R_8 is selected from H, C_1-C_6alkyl; C_1-C_6haloalkyl; C_1-C_3alkoxycarbonyl or C_1-C_6alkoxycarbonylC_1-C_3alkyl

R_4, R_5, R_6, R_9, R_{10} and R_{11} may be the same or different, selected from H, halo, NO_2, CN, $CONH_2$, CH_2CONH_2, CH_2CN, C_1-C_6alkyl, C_1-C_6haloalkyl, C_1-C_6alkoxy, C_1-C_6haloalkoxy, C_1-C_6alkylthio, C_1-C_6alkylsulfonyl, C_1-C_6alkylcarbonyl, C_1-C_6alkoxyC_1-C_6alkyl, C_1-C_6alkoxycarbonyl, C_1-C_6alkoxycarbonylC_1-C_6alkyl, C_1-C_6haloalkoxyC_1-C_6alkyl, groups may be substituted by any other groups: aminoC_1-C_3alkyl,phenyl, phenoxy, benzyl or benzyloxy.

4. The substituted azole compounds according to the claim 3, characterized in that wherein general formula (I):

X_1 is selected from CH or N; X_2 is selected from O or NH; X_3 is selected from O or NR_8;

A_1 is selected from N or CR_9, A_2 is selected from N or CR_{10}, A_3 is selected from N or CR_{11}, and if selected from N, only one of A_1, A_2 or A_3 is selected from N;

R_1, R_2 is CH_3;

R_3 is H;

R_8 is selected from H, C_1-C_3alkyl; C_1-C_3haloalkyl; C_1-C_3alkoxycarbonyl or C_1-C_3alkoxycarbonylC_1-C_3alkyl

R_4, R_5, R_6, R_9, R_{10} and R_{11} may be the same or different, selected from H, Cl, Br, F, NO_2, CN, CH_2CN, C_1-C_6alkyl, C_1-C_6haloalkyl, C_1-C_6alkoxy, C_1-C_6haloalkoxy, C_1-C_6alkylthio, C_1-C_6alkylsulfonyl, C_1-C_6alkylcarbonyl, C_1-C_6alkoxycarbonyl, C_1-C_6alkoxycarbonylC_1-C_6alkyl, C_1-C_6alkoxyC_1-C_3alkyl, C_1-C_3haloalkoxyC_1-C_3alkyl, substituted aminoC_1-C_3alkyl, phenyl or substituted phenyl, phenoxy or substituted phenoxy.

5. The substituted azole compounds according to the claim 4, characterized in that wherein general formula (I):

X_1 is selected from CH or N; X_2 is selected from O or NH; X_3 is selected from O

or NR_8;

A_1 is selected from N or CR_9, A_2 is selected from N or CR_{10}, A_3 is selected from N or CR_{11}, and if selected from N, only one of A_1, A_2 or A_3 is selected from N;

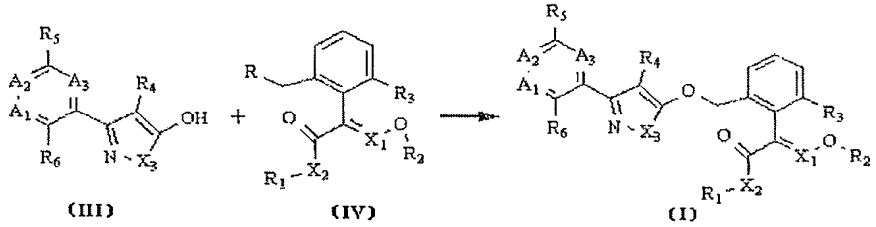
R_1, R_2 is CH_3;

R_3 is H;

R_8 is selected from H, C_1-C_3alkyl; C_1-C_3haloalkyl; C_1-C_3alkoxycarbonyl or C_1-C_3alkoxycarbonylC_1-C_3alkyl;

R_4, R_5, R_6, R_9, R_{10} and R_{11} may be the same or different, selected from H, Cl, Br, F, NO_2, CN, C_1-C_6alkyl, C_1-C_6haloalkyl, C_1-C_6alkoxy, C_1-C_6haloalkoxy, C_1-C_6alkylthio, C_1-C_6alkylsulfonyl, C_1-C_6alkylcarbonyl, C_1-C_6alkoxycarbonyl, C_1-C_6alkoxycarbonylC_1-C_6alkyl, C_1-C_6alkoxyC_1-C_3alkyl, phenyl or halophenyl, phenoxy or halophenoxy.

6. The preparation of substitute azole compounds according to claim 1, characterized in that wherein general formula (I) can be prepared by reaction of azole compounds containing hydroxyl group having general formula (III) with halomethylbenzene having general formula **(IV)** at the present of base:



(III) (IV) (I)

wherein: R is leaving group, such as Cl or Br.
substituted azole compounds and its preparation method and use thereof.

7. A composition of fungicides and insecticides comprises the substituted azole compounds having general formula (I) as an active ingredient, wherein the weight percentage of the active ingredient in the composition is from 0.1% to 99%.

8. According to the claim 1, application of the substituted azole compounds for controlling fungi and insects in plant.

9. According to the claim 7, application of the fungicidal and insecticidal composition for controlling fungi and insects in plant.